Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/21/2018 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125410	0	2.04	125398	2.07
Blue	F	SSC	125000	124157	-1	1.78	124868	1.75
Blue	E	FITC	15760	15263	-4	2.90	329	22.71
Blue	D	PE	25880	25114	-3	1.97	547	17.49
Blue	B	PerCP-Cy5-5	34075	33996	-1	4.21	1034	23.34
Blue	A	PE-Cy7	22776	22926	0	7.54	551	45.65
Red	C	APC	42488	41343	-3	2.84	1553	13.84
Red	A	APC-Cy7	24478	23989	-2	3.03	823	13.26
Violet	B	V450	6304	6150	-3	4.13	342	18.32
Violet	A	V500	26005	24934	-5	3.65	585	13.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20823	9.45	610	13	N/A	N/A	Pass
Blue	F	SSC	56225	1.21	580	25	N/A	N/A	Pass
Blue	E	FITC	57	75.94	563	7	0.0154	198	Pass
Blue	D	PE	113	58.57	557	8	0.1085	244	Pass
Blue	B	PerCP-Cy5-5	197	56.78	658	11	0.0070	78	Pass
Blue	A	PE-Cy7	106	115.10	712	15	0.0090	30	Pass
Red	C	APC	366	29.36	605	5	0.0185	140	Pass
Red	A	APC-Cy7	200	29.83	577	6	0.0046	1237	Pass
Violet	B	V450	54	85.83	500	11	0.0265	2578	Pass
Violet	A	V500	86	44.48	516	10	0.0119	742	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.03	0.96
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.13	13.60 - 20.40	N/A	N/A	30.85	31.48	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9880

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments